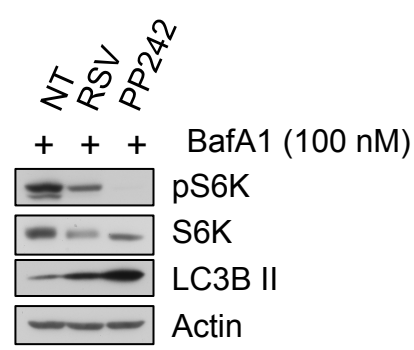


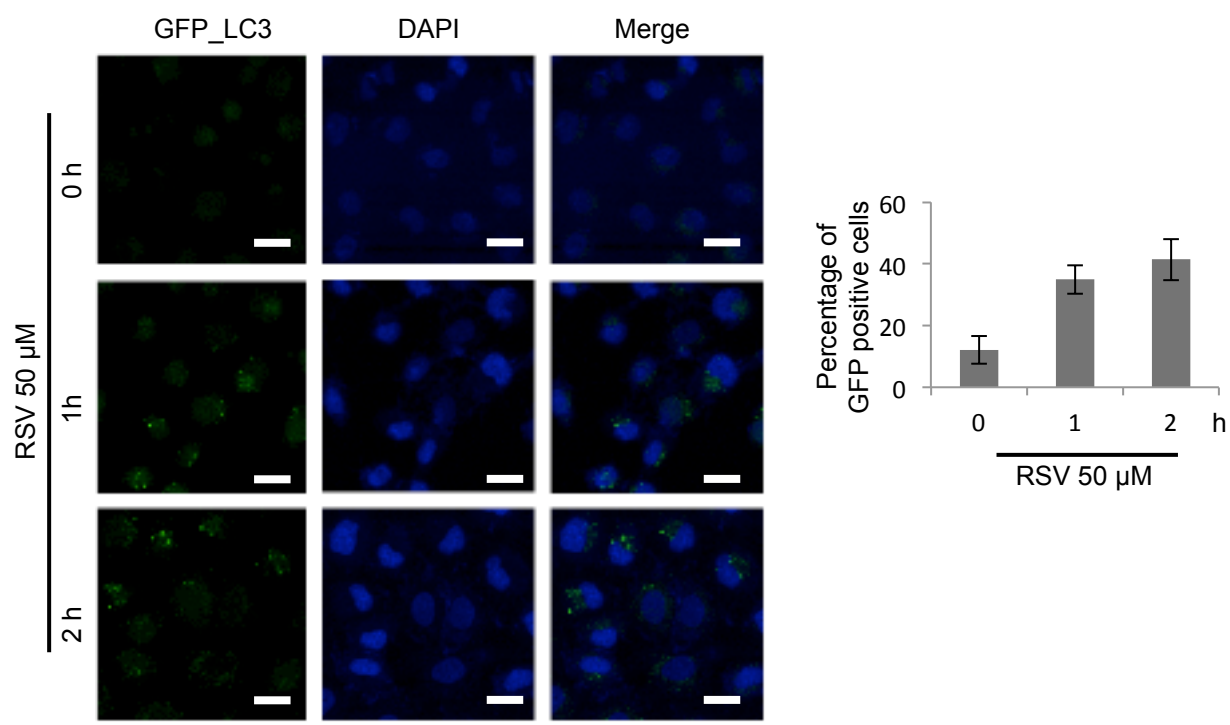
Resveratrol induces autophagy by directly inhibiting mTOR through ATP competition.

Authors: Dohyun Park^A, Heeyoon Jeong^A, Mi Nam Lee^A, Ara Koh^A, Ohman Kwon^B, Yong Ryoul Yang^C, Jungeun Noh^A, Pann-Ghill Suh^C, Hwangseo Park^D, Sung Ho Ryu^{A,B}, *

A.



B.



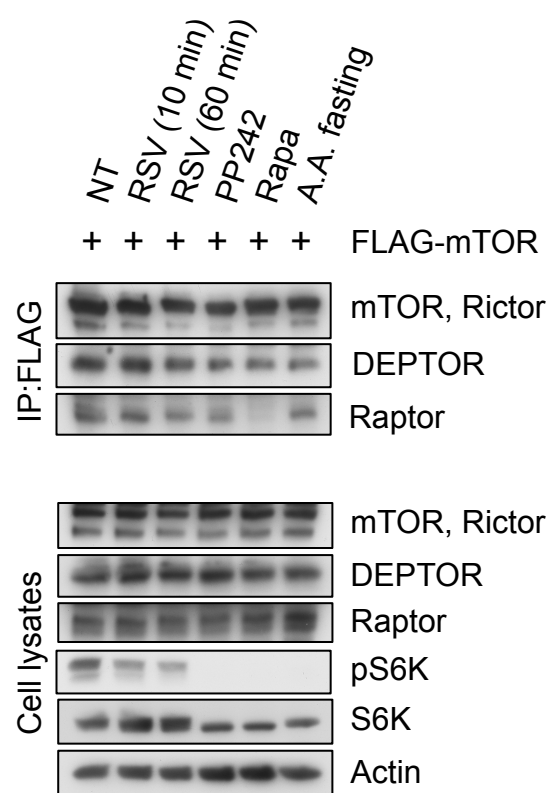
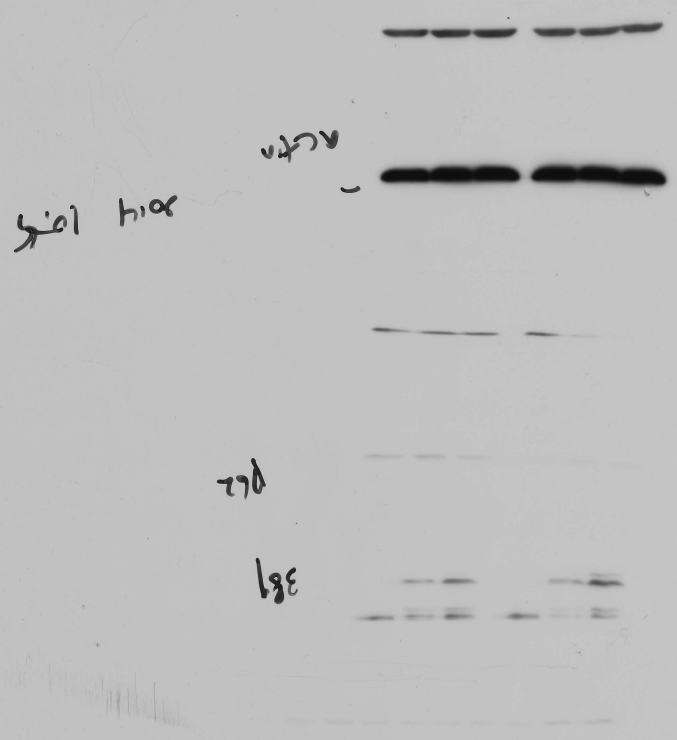
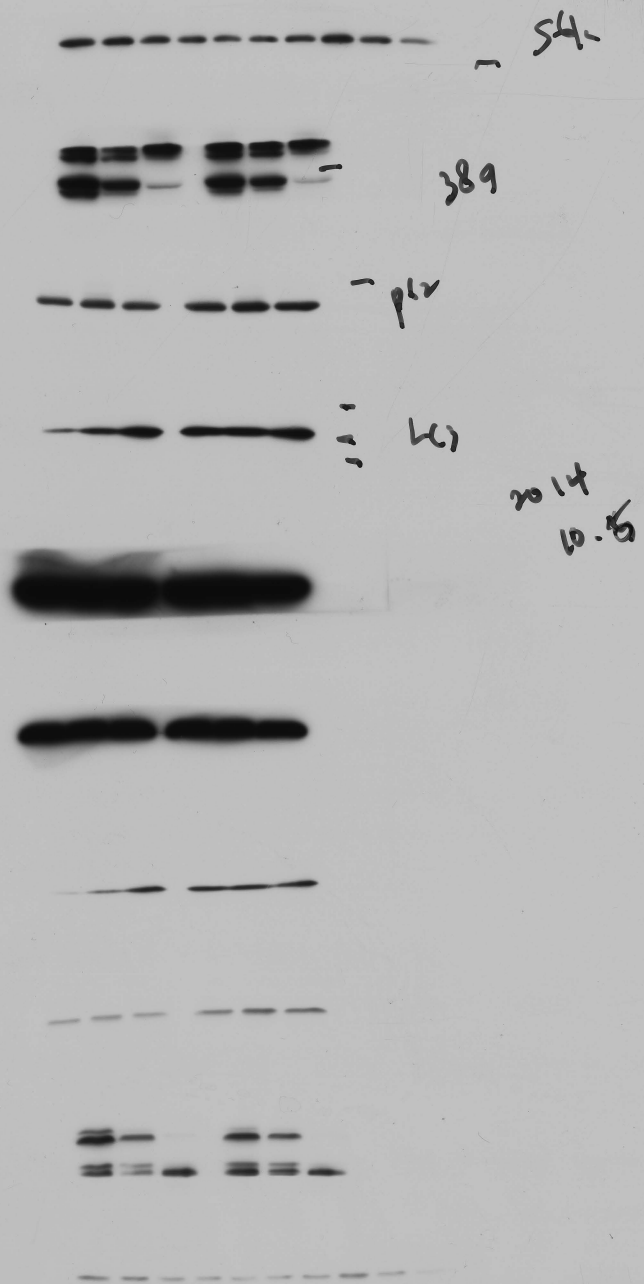


Figure S1. Resveratrol induces autophagy formation.

- A. Resveratrol (50 μ M) or PP242 (1.25 μ M) was administered to HEK293 cells to measure the accumulation of LC3B-II.
- B. LC3 puncta formation by resveratrol was measured. Resveratrol (50 μ M) was administered to into GFP-LC3 expressing HeLa cells for the indicated times. Scale bars in fluorescent pictures represent 20 μ m

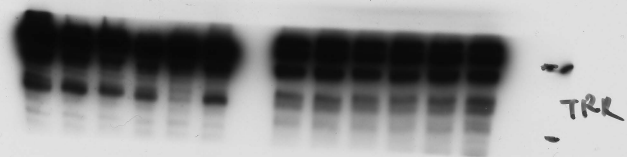
Figure S2. DEPTOR affinity was not enhanced by resveratrol

The level of interaction between mTOR and DEPTOR, Raptor, and Rictor was assessed. FLAG-tagged mTOR was introduced into HEK293 cells. Chemical treatment (resveratrol: 50 μ M, 10 min or 60 min; PP242: 1.35 μ M 1h; rapamycin: 20 nM, 1h) or amino acid fasting (HBSS incubation for 30 min) was administered followed by immunoprecipitation of mTOR using anti-FLAG antibody conjugated beads.



c $\frac{RSL}{10\ 60}$ RT Rpa ac⁻

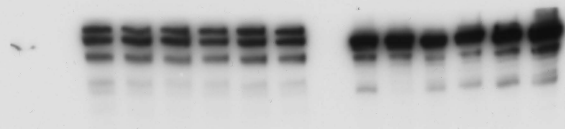
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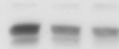
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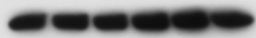
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